

TOP SECRET

12 APR 1963

1963 APR 12 18 36Z

Multiple

P 121748Z
FM OPCEN
TO AFSSO AMS
YWQLAZC/AFSSO ACIC

00T 00853

HFS ☒
CS ☒
ACL ☒

CFG 25X1

FILE 25X1

25X1

ZEM
TOP SECRET.

RELEASABLE FROM SSO CHANNELS. SSOS

PASS TO APPROPRIATE TCOS. CITE: OPCEN 5713.

FROM THE NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.

1. SUBJECT: INDEX CAMERA, KH-4 SYSTEM.
2. SO-206 FILM IS CURRENTLY USED IN THE INDEX CAMERA. THIS IS A FINE GRAIN FILM WITH A RESOLUTION CAPABILITY OF 110 1/MM AT 1.6:1 CONTRAST. UNDER THE VARIABLE LIGHT CONDITIONS EXPERIENCED ON A MISSION, THE PROCESSING CHARACTERISTICS OF THIS FILM RESULTS IN ABOUT 25 PER CENT OF THE FRAMES BEING DEGRADED TO SOME EXTENT BECAUSE OF REDUCED CONTRAST AND EITHER HIGH OR LOW DENSITY.
3. IT IS POSSIBLE TO USE SO-130 FILM IN THE INDEX CAMERA. THIS EMULSION IS MORE GRAINY WITH A RESOLUTION CAPABILITY OF 65 1/MM AT 1.6:1 CONTRAST. THE CONSIDERABLY GREATER PROCESSING LATITUDE OF SO-130 FILM WOULD REDUCE THE PERCENT OF DEGRADED FRAMES TO LESS THAN 10 PERCENT.

4. REQUEST YOUR COMMENTS BY COB 19 APRIL ON USE OF SO-130 VS SO-206 FILM IN THE INDEX CAMERA FOR FUTURE MISSIONS, CONSIDERING THE MORE UNIFORM IMAGRY THROUGHOUT THE ENTIRE MISSION OBTAINABLE ON SO-130 FILM AS AGAINST SOME INCREASED GRAININESS OF THIS FILM.

SCP-1

1500 1500

12/1820Z APR

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GROUP 1
Excluded from automatic
downgrading and
declassification